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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542,155	02/13/2006	Jan Forster	CBZ-1370A	2833
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EXAMINER				
CHAPMAN, JEANETTE E				
ART UNIT		PAPER NUMBER		
3633				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/542,155

**Applicant(s)**

FORSTER, JAN

**Examiner**

Jeanette E. Chapman

**Art Unit**

3633

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 November 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 22-24, 29, 31 and 33-40 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 22-24, 29, 31, 33-40 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/06)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 22-24, 29, 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bui( 20040040256) in view of Jacobs Robert DE3607190

Claim 22.

Jacobs Robert DE 3607190 discloses a building construction for protection from radiation, said construction comprising at least one building component having a layered sandwich configuration 2,3,4 but one layer of gypsum antiradiation material is not poured and compressed between a concrete layer and an opposite layers laver of concrete or a sheet pile wall installed during construction of the building construction. Bui discloses one layer of gypsum material is poured and compressed between a concrete layer and an opposite layer of concrete. The time of pouring such as a sheet pile wall installed during construction of the building construction has not been shown critical. Applicant is not claiming a method of making and this method is not shown to be critical and relevant to the construction. In view of the above, it would have been obvious to modify Bui to include the gypsum antiradiation material of Jacobs to cover the walls and make them safe.

claim 23.

Jacobs discloses the building construction of claim 22, wherein said gypsum antiradiation material comprises water bound thereto. See abstract, line 10 claim 24.

The gypsum antiradiation material being made of natural, unfired calcium sulfate dehydrate has not shown to be critical or relevant to the function of the construction. Netiher has applicant shown that other materials for the gypsum would not function as intended

Claims 25-28: Cancelled  
claim 29.

Jacobs discloses the building construction of claim 28, wherein said gypsum antiradiation material comprises gypsum particles and once combined with Bui the same would have been poured into a space between said concrete layer and said opposite layer, the size of the gypsum particles have not been disclosed as being a particle size of about 40 mm or smaller. The same has not been shown to be critical or relevant to the construction and not having a particle size of the recited dimension has not been shown to critically effect the function of the device

30. Cancelled  
claim 31.

Jacobs and Bui does not discloses at least one additive selected from the group of gibbsite, hydragilite, aluminum hydrate, and magnesium added to said gypsum antiradiation material. Plaster is known in the art for including additives: the selection of

any one or group of material has not been linked to any critical functioning of the construction

Claims 33-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Buie in view of Jacobs and further in view of O'neal(2589021) and Kushida et al (4774045) claim 33-34.

Bui lacks the concrete layer of a double wall construction . Kushida et al discloses a building construction of claim 22, wherein said concrete layer comprises a double-wall structure, figure 6, wherein said double-wall structure is filled (thou not entirely) with poured concrete,6.

claim 35.

Jacobs and Bui does not discloses at least one additive selected from the group of gibbsite, hydrogillite, aluminum hydrate, and magnesium added to said gypsum antiradiation material. Plaster is known in the art for including additives: the selection of any one or group of material has not been linked to any critical functioning of the construction.

claim 36.

O'neal discloses said opposite layer comprises a concrete layer and Kushida et al discloses each of the said concrete layer comprising a double wall structure Bui as modified by Jacobs and by O'Neal/Kushida renders each of said concrete layers comprise a double-wall structure, said gypsum antiradiation material disposed between said double-wall structures.

claim 37.

O'neal discloses The building construction of claim 36, wherein each of said double-wall structures comprises wall segments connected together with tie rods extending between said wall segments.

claim 38.

O'neal discloses said double-wall structures comprises prefabricated concrete panels 6 and 3 and 10 connected together with lattice girders 2.

claim 39

Oneal discloses the building construction of claim 38, wherein said lattice girders are formed of metal which includes steel but are formed of a corrosion resistant steel. One of ordinary skill in the art would have appreciated that a corrosion resistant steel material is well known in the art and is used for obvious reasons. One of ordinary skill in the art would have appreciated using the recited type of steel for use in damp environments.

claim 40.

Bui discloses his panel is used for a multiplicity of building parts such as floors and foundations. Hence also considering Jacobs, it would have been obvious to further include a layer of anti-radiation material beneath said building construction that has sufficient structural integrity for supporting said building construction. And to further include the double wall structure as shown by Oneal and Kushida et al to provide further protection.

applicant's arguments are moot in view of the new ground of rejection .

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chapman E. Jeanette whose telephone number is 571-272-6841. The examiner can normally be reached on Mon.-thursday, 8:30-6:00, every fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Glessner can be reached on 571-272-6843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JEANETTE CHAPMAN/  
PRIMARY EXAMINER  
ART UNIT 3633

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